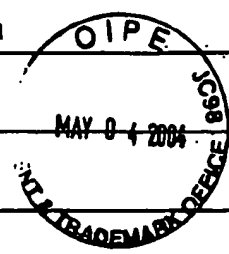


Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office			Atty. Docket No. P23698		Serial No. 10/646,811	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use several sheets if necessary)					Applicant Hiroshi NOMURA			
					Filing Date August 25, 2003		Group 2851	



U.S. PATENT DOCUMENTS														
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE								
(D)	2004 / 0	0 4 2 0 9 5	03/04/04	NOMURA										
	2004 / 0	0 4 2 0 9 3	03/04/04	NOMURA										
	2004 / 0	0 6 2 5 3 6	04/01/04	NOMURA										
	2004 / 0	0 5 1 9 6 8	03/18/04	NOMURA										
	2004 / 0	0 5 1 9 7 0	03/18/04	NOMURA										
	2004 / 0	0 6 2 5 3 7	04/01/04	NOMURA										
	2004 / 0	0 5 1 9 7 2	03/18/04	NOMURA										
	2004 / 0	0 4 2 0 9 1	03/04/04	NOMURA										
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	2004 / 0	0 4 2 0 9 2	03/04/04	NOMURA										
	6	3 6 6 3 2 3	04/02/02	SHONO										
	6	1 1 5 1 9 0	09/05/00	HIRAI										
	6	0 6 4 5 3 3	05/16/00	KENIN et al.										
	2003 / 0	0 8 1 3 2 5	05/01/03	NOMURA et al.										
	2001 / 0	0 2 4 5 7 3	09/27/01	NOMURA et al.										
	2002 / 0	1 3 5 9 0 0	09/26/02	NOMURA et al.										
	6	0 7 5 6 5 5	06/13/00	FUNAHASHI										

EXAMINER <i>D. Gray</i>	DATE CONSIDERED <i>9/16/04</i>
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				Filing Date August 25, 2003		Group 2851								
<b>U.S. PATENT DOCUMENTS</b>														
EXAMINER INITIAL	YEAR	MONTH	DOCUMENT NUMBER						DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2002	/0	1	3	5	9	0	1	09/26/02	NOMURA et al.				
	2003	/0	0	8	1	3	2	7	05/01/03	NOMURA et al.				
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			6	2	0	4	9	7	7	03/20/01	IWASA			
			5	4	3	0	5	1	6	07/04/95	UZIIE et al.			
		2003	/0	0	8	1	9	4	8	05/01/03	NOMURA et al.			
		2001	/0	0	1	9	4	5	8	09/06/01	NOMURA et al.			
			4	9	9	3	8	1	5	02/19/91	YAMAZAKI et al.			
			5	8	1	8	6	4	7	10/06/98	NISHIO et al.			
			5	7	3	1	9	1	3	03/24/98	IMANARI			
			5	7	3	9	9	6	2	04/14/98	ASAKURA et al.			
		2003	/0	1	5	6	8	3	2	08/21/03	NOMURA et al.			
			5	5	8	7	7	5	4	12/24/96	KATAYAMA et al.			
			6	0	5	2	5	3	5	04/18/00	UNO			
			5	2	2	3	8	7	3	06/29/93	TSUBOI			
			5	0	8	6	3	1	2	02/04/92	TANAKA et al.			
			5	4	9	9	1	4	3	03/12/96	SAKAMOTO et al.			
			6	0	6	9	7	4	5	05/30/00	FUJII et al.			
				6	3	2	4	0	1	9	11/27/01	TAKANASHI et al.		
			5	4	8	5	3	1	5	01/16/96	NOMURA et al.			
EXAMINER <u>D. Gray</u>										DATE CONSIDERED <u>9/16/04</u>				

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U.S. PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	

FOREIGN PATENT DOCUMENTS														
EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
		58	-	1	0	7	0	8	01/21/83	JAPAN				
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		2	2	6	2	3	5	6	06/16/93	UNITED KINGDOM				
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		2	3	0	9	5	5	1	07/30/97	UNITED KINGDOM				
		2	3	4	4	6	6	2	06/14/00	UNITED KINGDOM				
		2	2	6	1	2	9	8	05/12/93	UNITED KINGDOM				
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	10	-	2	8	2	3	9	4	10/23/98	JAPAN				
		58	-	1	6	2	9	1	4	09/27/83	JAPAN			
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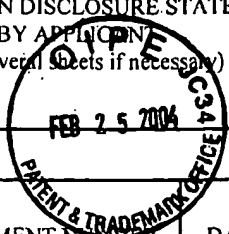
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	English Language Abstract of JP 58-10708.
	2	English Language Abstract of JP 2003-207709.
	3	English Language Abstract of JP 2002-277719.
	4	English Language Abstract of JP 10-282394.
	5	English Language Abstract of JP 58-162914.

EXAMINER <u>R. Gray</u>	DATE CONSIDERED <u>9/16/04</u>
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U.S. PATENT DOCUMENTS									
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE			
(22)	4 5 2 5 0 5 0	06/25/85	OHASHI						
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	5 8 1 8 6 4 7	10/06/98	NISHIO et al.						
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	4 4 5 1 1 2 9	05/29/84	IKARI et al.						
	4 6 4 3 5 5 4	02/17/87	OGAWA						
	4 7 7 1 3 0 3	09/13/88	MATSUMOYO et al.						
	4 8 8 7 1 0 7	12/12/89	NAKAMURA et al.						
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	5 7 6 5 0 4 9	06/09/98	HASE et al.						
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FOREIGN PATENT DOCUMENTS									
DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO				
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	6 3 1 4 9 6 2 9	06/22/88	JAPAN						
	6 4 - 3 4 6 2 3	03/02/89	JAPAN		X				
	6 - 1 8 7 7 7	01/28/94	JAPAN		X				
	7 - 1 9 1 2 4 9	07/28/95	JAPAN						
(19)	1 1 1 0 9 2 0 3	04/23/99	JAPAN						

JAPAN OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									

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